



□□□□□

Eaton 121727

Eaton Moeller® series PKE Trip block, 0.3 - 1.2 A, Motor protection, Connection to SmartWire-DT: yes, For use with: PKE12 basic device

□□□□

PRODUCT NAME	Eaton Moeller® series PKE Trip block
CATALOG NUMBER	121727
PRODUCT LENGTH/DEPTH	41.6 mm
PRODUCT HEIGHT	64.2 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.09 kg
CERTIFICATIONS	CSA File No.: 165628 VDE 0660 CSA Class No.: 3211-05 IEC/EN 60947-4-1 CSA UL Category Control No.: NLRV IEC/EN 60947 CSA-C22.2 No. 14-10 UL UL 508 CE UL File No.: E36332
CATALOG NOTES	This is a product for Environment A (Industrial). In environment B (household) this device may cause undesirable radio interference. In this case the user may be obliged to take appropriate measures.

FEATURES	Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF	Does not apply, since the entire switchgear needs to

CHARACTERISTIC CURVE	eaton-manual-motor-starters-pke65-characteristic-curve-005.eps
DECLARATIONS OF CONFORMITY	eaton-system-protective-circuit-breaker-declaration-of-conformity-uk251177en.pdf
INSTALLATION VIDEOS	Video Motor Protective Circuit Breaker PKE
□□□□	eaton-motor-protective-circuit-breaker-pke-and-communication-modul-pke-brochure-w12107613en-en-us.pdf
□□□	eaton-pke-modbus-rtu-modul-flyer-fl034008en-en-us.pdf
□□	eaton-manual-motor-starters-mounting-3d-drawing.eps eaton-manual-motor-starters-pke-trip-block-3d-drawing-002.eps

ASSEMBLIES	be evaluated.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
OPERATING FREQUENCY	60 Operations/h
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
CONNECTION TO SMARTWIRE-DT	In conjunction with PKE-SWD-32 SmartWire DT PKE module Yes In conjunction with PKE-SWD-SP SmartWire DT PKE module
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RATED UNINTERRUPTED CURRENT (IU)	1.2 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
SWITCHING CAPACITY AT AC-3 (UP TO 690 V)	1.2 A
UNDELAYED SHORT-CIRCUIT RELEASE - MAX	18.6 A
UNDELAYED SHORT-CIRCUIT RELEASE - MIN	4.65 A
PRODUCT CATEGORY	Accessories

PROTECTION	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
NUMBER OF POLES	Three-pole
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
FUNCTIONS	Motor protection Motor protection for heavy starting duty Overload release
ALTITUDE	Max. 2000 m
VOLTAGE TYPE	Self powered
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	25 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT STORAGE TEMPERATURE - MIN	40 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0.3 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.1 W
OVERLOAD RELEASE CURRENT SETTING - MAX	1.2 A
OVERLOAD RELEASE CURRENT SETTING - MIN	0.3 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
RATED CONTROL SUPPLY	0 V

VOLTAGE (US) AT AC, 60 HZ - MIN	
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED FREQUENCY - MAX	60 Hz
RATED FREQUENCY - MIN	50 Hz
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	1.2 A
CURRENT FLOW TIMES - MIN	<p>700 (Class 10) AC-4 cycle operation, Main conducting paths</p> <p>500 (Class 5) AC-4 cycle operation, Main conducting paths</p> <p>Note: Going below the minimum current flow time can cause overheating of the load (motor).</p> <p>900 (Class 15) AC-4 cycle operation, Main conducting paths</p> <p>1000 (Class 20) AC-4 cycle operation, Main conducting paths</p> <p>For all combinations with an SWD activation, you need not adhere to the minimum current flow times and minimum cut-out periods.</p>
DEGREE OF PROTECTION	Device: IP20 Terminals: IP00
OVERVOLTAGE CATEGORY	III
CUT-OUT PERIODS - MIN	≤ 500 ms, main conducting paths, AC-4 cycle operation
SHOCK RESISTANCE	25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
PROTECTION TYPE	Electronic release
RATED OPERATIONAL CURRENT (IE)	1.2 A
SHORT-CIRCUIT RELEASE	Delayed approx. 60 ms, Trip blocks ± 20% tolerance, Trip

	blocks Trip block fixed 15.5 x Ir
SHORT-CIRCUIT RELEASE FUNCTION	Delayed
TEMPERATURE COMPENSATION	-25 - 55 °C, Operating range -5 - 40 °C to IEC/EN 60947, VDE 0660
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
VOLTAGE TYPE OF SUPPLY VOLTAGE	AC
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
VOLTAGE TYPE OF OPERATING VOLTAGE	AC
RATED SWITCH CURRENT	1.2 A
SUPPLY VOLTAGE AT AC, 50 HZ - MIN	690 V
SUPPLY VOLTAGE AT AC, 50 HZ - MAX	690 V
SUPPLY VOLTAGE AT AC, 60 HZ - MIN	690 V
SUPPLY VOLTAGE AT AC, 60 HZ - MAX	690 V
OPERATING VOLTAGE AT AC, 50 HZ - MIN	690 V
OPERATING VOLTAGE AT AC, 50 HZ - MAX	690 V
OPERATING VOLTAGE AT AC, 60 HZ - MIN	690 V
OPERATING VOLTAGE AT AC, 60 HZ - MAX	690 V
OPERATING VOLTAGE AT DC - MIN	690 V
OPERATING VOLTAGE AT DC - MAX	690 V

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:



 Eaton House
30 Pembroke Road
Dublin 4,
Eaton.com

© 2025

Follow us on social media to get the latest product and support information.

